



Op 2634 41
Patent
45389.00002.UTL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Ismail Lakkis

Serial No.: 09/670,054

Filed: September 25, 2000

For: METHOD AND APPARATUS FOR
WIRELESS COMMUNICATION

)
) Group Art Unit: 2634

)
) Examiner: To Be Assigned Technology Center 2600

)
) Customer No.: 36183

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TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed are the following documents:

- Supplemental Information Disclosure Statement;
- Form PTO/SB/08A with copies of 17 cited References; and
- Return Postcard;

No fee is believed due with this submission; however, the Commissioner is authorized to charge any fee required to our Deposit Account No. 50-2613.

CERTIFICATE OF MAILING
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

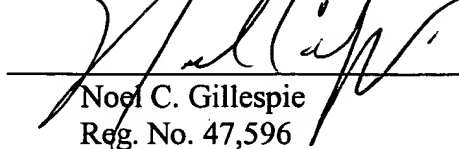
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Respectfully submitted,

PAUL, HASTINGS, JANOFSKY & WALKER LLP

Dated: 20-SEP-04 By: 
Noel C. Gillespie
Reg. No. 47,596

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the Applicant's duty under 37 CFR § 1.56, the following information is
brought to the attention of the Examiner.

CERTIFICATE OF MAILING
(37 CFR §1.8 a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

October 20, 2004
Date of Delivery

Timothy Lasher
Name of Person Delivering Paper

Timothy Lasher
Signature of Person Delivering Paper

REFERENCES



The references are listed on the attached Form PTO/SB/08a and copies are enclosed for the convenience of the Examiner.



Copies of the references listed on the attached Form PTO/SB/08a have already been submitted in corresponding Patent Application No. _____ and therefore, copies of the same are not enclosed.



Copies of U.S. Patent documents are not enclosed herewith.

The items identified in this Supplemental Information Disclosure Statement may or may not be “material” pursuant to 37 CFR § 1.56 and the submission thereof by Applicant shall not be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as “prior art” 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

The filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR § 1.56, exists.

DISCLOSURE

☐ The attached Supplemental IDS is being filed in accordance with 37 CFR §§ 1.97 and 1.98. This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b)(3), that is before the mailing of a first Office Action on the merits. Thus, no petition or fee is required. However, if the undersigned representative of Applicant is in error in this regard, then the Examiner is requested to consider this IDS as filed under § 1.97(c)

☒ The attached Supplemental Information Disclosure Statement is being filed in accordance with 37 CFR §§ 1.97(c) and 1.98. This IDS is being filed after an action on the merits but before a Final Action under § 1.113 or a Notice of Allowance under § 1.311. In the event that this IDS is not received before a Final Action under § 1.113 or a Notice of Allowance under § 1.311, the Applicant respectfully requests the filing of these papers to be considered a petition requesting consideration of this IDS pursuant to 37 CFR § 1.97(d).

☐ The attached Supplemental Information Disclosure Statement is being filed in accordance with 37 CFR §§ 1.97(d) and 1.98. This IDS is being filed after receipt of a final action but before receipt of a Notice of Allowance Under § 1.311.

Statement Under 37 C.F.R. 1.97(e)(1) and 1.97(e)(2)

☐ I certify that pursuant to 37 CFR 1.97(e)(1), each item of information contained in this Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

☐ I certify that pursuant to 37 CFR 1.97(e)(2), no item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the best of my knowledge, no item of information contained in this Information Disclosure Statement was known to any individual more than three months prior to the filing of this Information Disclosure Statement.

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☐ Enclosed is a check to cover the fee pursuant to 37 CFR § 1.17(p).

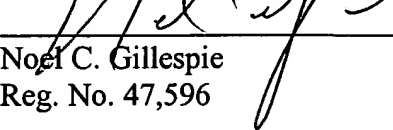
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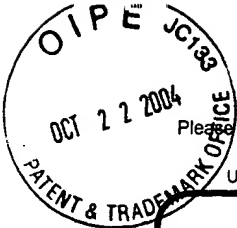
Respectfully submitted,

PAUL, HASTINGS, JANOFSKY & WALKER

Dated: 20- OCT - 09

By: 
Noel C. Gillespie
Reg. No. 47,596

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/670,054
		Filing Date	September 25, 2004
		First Named Inventor	Lakkis, Ismail
		Group Art Unit	2634
Examiner Name	To Be Assigned		
Attorney Docket Number	45389.00002		

Sheet 1 of 3

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5,563,909		Nakazawa	10-08-1996	
	AB	5,675,572		Hidejima et al.	10-07-1997	
	AC	5,949,813		Hunsinger et al.	10-07-1999	
	AD	6,049,707		Buer et al.	04-11-2000	
	AE	6,192,068 B1		Fattouche et al.	02-20-2001	
	AF	6,320,897 B1		Fattouche et al.	11-20-2001	
	AG	RE37,802 E		Fattouche et al.	07-23-2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear.	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

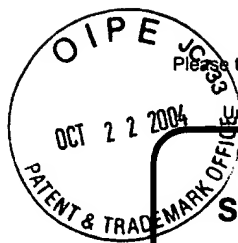
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	AH	AIJANEN, JUSSI et al. "Frame Configuration Impact to the Performance of ULTRA TDD System" University of Jyväskylä, Dep. of Mathematical Information Technology, pp. 1-5.	
	AI	BAIER, PAUL WALTER et al. "Taking the Challenge of Multiple Access for Third-Generation Cellular Mobile Radio Systems – A European View" IEEE Communications Magazine, February 1996, pp. 82-89.	
	AJ	BINGHAM, JOHN A.C. "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come" IEEE Communications Magazine, May 1990, Pages 5-14.	
	AK	BLUM, RICK S. et al. "Improved Space – Time Coding for MIMO-OFDM Wireless Communications" IEEE Transactions on Communications, Vol. 49, No. 11, November 2001, pp. 1873-1878.	

Examiner Signature	Date Considered
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Complete if Known			
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/670,054		
		Filing Date	September 25, 2004		
		First Named Inventor	Lakkis, Ismail		
		Group Art Unit	2634		
		Examiner Name	To be assigned		
Sheet	2	of	3	Attorney Docket Number	45389.00002.UTL

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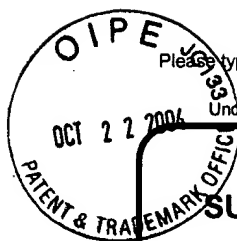
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	AL	CHAUNG, JUSTIN et al. "Beyond 3G: Wideband Wireless Data Access Based on OFDM and Dynamic Packet Assignment" IEEE Communications Magazine, July 2000, pages 78-87.	
	AM	CHAUDHURY, PRODIP et al. "The 3GPP Proposal for IMT-2000" IEEE Communications Magazine, December 1999, pages 72-81.	
	AN	CHERUBINI, GIOVANNI "Hybrid TDMA/CDMA Based on Filtered Multitone Modulation for Uplink Transmission in HFC Networks" IEEE Communications Magazine, October 2003, pp. 108-115.	
	AO	EDFORS, OVE et al. "An introduction to orthogonal frequency-division multiplexing" September 1996, pp. 1-50	
	AP	FOERSTER, JEFF et al. "Intel CFP Presentation for UWB PHY" IEEE P802.15 Working Group for Wireless Personal Area Networks, IEEE 802.15-03/109, March 03, 2003, pp. 1-53.	
	AQ	HAAS, HARALD "A Dynamic Channel Assignment Algorithm for a Hybrid TDMA/CDMA - TDD Interface Using the Novel TS-Operating Technique" IEEE Journal on Selected Areas in Communications, Vol. 19, No. 10, October 2001, pp. 1831-1846.	
	AR	KELLY, JOY "Multi-band OFDM Physical Layer Proposal Update" IEEE P802.15 Working Group for Wireless Personal Area Networks, IEEE 802.15-04/0122r4, March 15, 2004, pp. 1-26.	
	AS	LEEPER, DAVID G. "Wireless Data Blaster: Radio's oldest technology is providing a new way for portable electronics to transmit large quantities of data rapidly without wires" Scientific American, May 2002, Pages 64-69.	
	AT	PATTAN, BRUNO "A Brief Exposure to Ultra-Wideband Signaling" Microwace Journal, December 2003, pages 1-5.	
	AU	RICHARDSON, K. W. "UMTS Overview" Electronics & Communication Engineering Journal, June 2000, pp. 93-101.	

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		Examiner Name	To be assigned		
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	AV	VANDANAMEELE, PATRICK et al. "A Combined OFDM/SDMS Approach" IEEE Journal on Selected Areas in Communications, November 2000, pp. 1-27.	
	AW	WONG, CHEONG YUI et al. "Multiuser OFDM with Adaptive Subcarrier, BIT, and Power Allocation" IEEE Journal on Selected Areas in Communications, Vol. 17, No. 10, October 1999, pp. 1747-1758.	
	AX	YE, ZHONG et al. "Throughput Analysis for a Packet Radio Network Using Rate Adaptive OFDM Signaling" IEEE International Conference on Communications, June 1999, pp. 1-7.	

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